

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit:

Unknown

ROBERT G. DENNIS

Examiner:

Unknown

Serial No.:

10/663,577

Filed:

September 16, 2003

For:

SYSTEM AND METHOD FOR FORMING A CARDIAC

MUSCLE CONSTRUCT

Attorney Docket No.: UOM 0294 PUS

# **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents U.S. Patent & Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner.

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the reference(s) are "material" as defined under 37 C.F.R. § 1.56(b).

#### CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

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S/N: 10/663,577 Atty Dkt No. UOM 0294 PUS

If the filing date of this application is on or before June 30, 2003, a copy of each reference listed on the attached Forms PTO/SB08A and/or SB08B is included herewith. If this application was filed after June 30, 2003, copies of any cited U.S. patent/application references have not been included. Consideration and-entry-into-the-record\_of\_these\_references is respectfully requested.

Respectfully submitted,

**ROBERT G. DENNIS** 

Stephanie M. Mansfield

Reg. No. 43,773

Attorney/Agent for Applicant

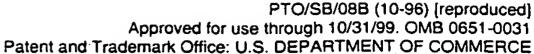
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Date: December 8,2003

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Complete if Known tute for Form 1449B/PTO Applicati n Number 10/663,577 INFORMATION DISCLOSURE September 16, 2003 Filing Dat STATEMENT BY APPLICANT Robert G. Dennis First Named Inventor Group Art Unit Unknown (use as many sheets as necessary) Unknown Examiner Name UOM 0294 PUS of Sheet\_ Attorney Docket Number OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner T<sup>2</sup> Cite No.1 publisher, city and/or country where published. Initials ' L.W. Stevenson et al., "The Impending Crisis Awaiting" Cardiac Transplantation", Circulation, Vol. 89, No. 1, January 1994, pp. 450-457 R.E. Akins et al., "Cardiac Organogenesis in vitro: Reestablishment of Three-Dimensional Tissue Architecture by Dissociated Neonatal Rat Ventricular Cells", Tissue Engineering, Vol. 5, No. 2, 1999, pp. 103-118 M. Muthuchamy et al., "Developmental Analysis of Tropomyosin Gene Expression in Embryonic Stem Cells and Mouse Embryos", Molecular and Cellular Biology, June 1993, Vol. 13, No. 6, pp. 3311-3323 I. Harary and B. Farley, "In Vitro Studies On Single Beating Rat Heart Cells", Experimental Cell Research 29, 1963, pp. 451-465 T. Eschenhagen et al., "Three-dimensional reconstitution of embryonic cardiomyocytes in a collagen matrix: a new heart muscle model system", The FASEB Journal, Vol. 11, July 1997, pp. 683-694 L. Saggin et al., "Troponin T Switching in the Developing Rat Heart", The Journal of Biological Chemistry, Vol. 263, No. 34, December 5, 1988, pp. 18488-18492 P. Anderson and A. Oakeley, "Immunological Identification of Five Troponin T Isoforms Reveals an Elaborate Maturational Troponin T Profile in Rabbit Myocardium", Circulation Research, Vol. 65, No. 4, October 1989, pp. 1087-1093 L. Gao et al., "Differential Expression of TnI and TnT Isoforms in Rabbit Heart during the Perinatal Period and during Cardiovascular Stress", J. Mol. Cell. Cardiol. 27, 1995, pp. 541-550 W. Zimmermann et al., "Cardiac Grafting of Engineered Heart Tissue in Syngenic Rats", Circulation Research, September 24, 2002, pp. I-151 - I-157,

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Research, February 8, 2002, pp. 223-230

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS-						
Examiner Initials	Cite	U.S. PATENT D	OCUMENT Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
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